

Technical Bulletin

MAZCLEAN™ EP PROPRIETARY EMULSIFIER

MAZCLEAN EP is a formulated emulsifier designed to produce clear microemulsions of d-limonene and water containing up to 30% d-limonene by weight. D-limonene is a citrus by-product and the major component of orange oil. It is a monocyclic terpene hydrocarbon possessing excellent solvency and fragrance properties. Microemulsions of MAZCLEAN EP, d-limonene, and water can be used as water-based degreasers, all-purpose cleaners with a natural lemon fragrance, lotion-type waterless hand cleaners, and in other formulations where biodegradability, grease removal, low skin irritation, and pleasant fragrance are needed. Because the microemulsion is a clear product, it can be easily blended with other detergent ingredients and colored to produce attractive consumer cleaning products that are safe and effective to use.

Use Instructions:

When making microemulsions, the order of addition of each component is important. MAZCLEAN EP should always be added to the d-limonene and thoroughly mixed before introducing any water to the system. MAZCLEAN EP should be added at a ratio of 2 parts for every 3 parts d-limonene. After these products are blended, water may be added to produce the desired final microemulsion strength. If water is introduced to the d-limonene prior to adding emulsifier, then the resulting mixture will either be hazy or will form a stable emulsion.

Dilution of a concentrated microemulsion is accomplished by adding water to the concentrate. This will insure that the diluted solution remains clear. If the concentrate is added to water, it will form a stable emulsion, although degreasing detergency, and fragrance properties are unchanged.

MAZCLEAN is a trademark of BASF Corporation

For More Information

Order Placement

To place orders for delivery in the United States please call our toll free number (800) 443-6460. To place orders for delivery in Canada please call BASF Canada at (800) 267-2955.

For Other Information

Including product literature and Material Safety Data Sheets please call (847) 249-6750.

Or Visit Our Website At:

www.performance.bASF-corp.com

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BASF Corporation
3000 Continental Drive-North
Mount Olive, New Jersey 07828-1234
800-443-6460

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